

STATEMENT OF WORK

SOW : Gamma Range Source Replacement

- 1.) Vendor will provide Four C-132 Type 78 double-encapsulated sealed sources, each containing 15,000 Ci ($\pm 5\%$) of cobalt-60, encapsulated and sealed in customer supplied, non-certified, #410 stainless steel containers. Drawing will be provided.
 - a. Sources are for dry use only
 - b. Serial numbers of C-132 sources will be cross referenced to customer provided outer capsules.
 - c. Customer will provide thirty-two outer capsules for validation purposes.
 - d. Helium leak test will be performed which is a requirement for the C-132 sources and customer's outer capsules.
 - e. Cobalt minimum specific active is 150Ci per gram.
 - f. Required three documentation packages containing regulatory certification, engineering drawings, specifications, validation test report and QA reports for each source type.
 - g. Vendor shall provide C-132 sources that comply with the USNRC sealed source regulatory requirements.
 - h. Vendor shall design the spacers of the internal cavity of the customer's capsule accounting for temperature variations and specify the torque used on the end cap to close the capsules prior to seal welding.
- 2.) Vendor will dispose of eight C-132 sources White Sands Missile Range current uses as sources at their Gamma Range Facility.
 - a. Vendor will assist WSMR with loading the sources into the vendors Type F-127 shipping container for return shipment.
 - b. Vendor will provide/supply all documentation required to transport the eight C-132 sources from WSMR to destination.
 - c. Vendor will provide personnel on-site to prepare the Type F-127 shipping containers for transport.
- 3.) Vendor will warrant that at the time of shipment the sealed radioactive sources will be leak tested and will be free from defects in material and workmanship.
- 4.) Vendor supplying the Four C-132 Type 78 double-encapsulated sealed sources will accept the return of the sources after their useful life. Upon request, the vendor will provide qualified personnel and licensed shipping containers to execute the source removal and transfer.
- 5.) All four C-132 Type 78 double-encapsulated sealed sources encapsulated within the customers source carrier shall be delivered to WSMR Gamma Range Facility within a minimum of one month from the date the first source arrives. The Customer prefers all four C-132 Type 78 double-encapsulated sealed sources arrive at one time.